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**BINUS UNIVERSITY**

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Jurusan Teknik Informatika  
Skripsi Sarjana Komputer  
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**ANALISIS DAN PERANCANGAN APLIKASI GALERI ONLINE  
(STUDI KASUS JURUSAN TEKNIK INFORMATIKA BINUS UNIVERSITY)**

Darmawan Alip	0900798206
Yandi Gunawan	0900798212
Leonhart Lawrence	0900832351

**Abstrak**

Tujuan penelitian ini adalah untuk mengenalkan hasil karya mahasiswa BINUS UNIVERSITY kepada masyarakat luas. Manfaatnya adalah untuk membantu pihak dalam mengorganisir hasil karya mahasiswa. Penelitian ini menggunakan metode analisis dengan studi kepustakaan (sumber tertulis maupun *online*) dan metode perancangan dengan analisis terhadap sistem berjalan untuk mendeteksi masalah yang ada. Pendekatan dalam menganalisis dan merancang sistem galeri *online* adalah dengan pendekatan *Object-Oriented Analysis and Design (OOAD)* dengan penggambaran notasi *Unified Modeling Language (UML)*. Notasi UML menjelaskan garis besar serta rincian dari sistem galeri *online*. *Relational database* menjelaskan struktur data yang digunakan dalam sistem. Dalam notasi UML, atribut obyek yang terlibat mendukung struktur tabel yang ada, dalam bentuk atribut data. Integrasi dari kedua perancangan tersebut adalah bentuk model perancangan layar. Aplikasi galeri *online* yang menerapkan AJAX merupakan hasil penelitian. Aplikasi ini meningkatkan efektivitas hasil karya mahasiswa, dalam hal mempermudah penyimpanan hasil karya, promosi hasil karya, dan *update* hasil karya.

**Kata Kunci**

Galeri *Online*, *Unified Modeling Language (UML)*, *Relational database*

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